



# Recombinant Mouse AKT-interacting protein (Aktip)

<b>Product Code</b>	CSB-YP737354MO
<b>Abbreviation</b>	Aktip
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q64362
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MNPLWSMSAG SVRKRAEGEE KTLAGDVKTS PPRSAPKKQL PSIPKNALPI AKPTSPAPAA QSTNGTHASY GPFYLEYSLL AEFTLVVKQK LPGVYVQPSY RSALVWFGVI FIRHGLYQDG VFKFTVYIPD NYPDGDCPRL LFDIPVFHPL VDPTSGELDV KRAFAKWRRN HNHIWQVLMY ARR VFYKIDT TSPLNPEAAV LYEKDIQLFK SKVVDSVKVC TARLFDQPKI EDPYAISFSP WNPSVHDEAR EKMLTQKKPD EQHNKSVHVA GLSWVKPGSV QPFSKEEKT V AT
<b>Source</b>	Yeast
<b>Target Names</b>	Aktip
<b>Protein Names</b>	Recommended name: AKT-interacting protein Alternative name(s): FT1 Fused toes protein
<b>Expression Region</b>	1-292
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	The mouse homolog of this gene produces fused toes and thymic hyperplasia in heterozygous mutant animals while homozygous mutants die in early development. This gene may play a role in apoptosis as these morphological abnormalities are caused by altered patterns of programmed cell death. This protein is similar to the ubiquitin ligase domain of other ubiquitin-conjugating enzymes but lacks the conserved cysteine residue that enables those enzymes to conjugate ubiquitin to the target protein. This protein interacts directly with serine/threonine kinase protein kinase B (PKB)/Akt and modulates PKB activity by enhancing the phosphorylation of PKB's regulatory sites. Alternative splicing results in two transcript variants encoding the same protein.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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